

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051062

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F41A9/43

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F41A F16G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 980 181 A (ASBURY) 3 January 1911 (1911-01-03) column 3, line 5 - column 10, line 121; figures 1-24	1-12, 18-22
X	US 889 321 A (MEIGS ET AL.) 2 June 1908 (1908-06-02) column 1, line 33 - column 3, line 6; figures 1-5	1-12, 18-22
X	US 5 895 880 A (GOLDEN) 20 April 1999 (1999-04-20) cited in the application	1-4, 18-21
A	column 3, line 18 - column 5, line 51; figures 1-6	8,9,11, 12
A	US 904 966 A (KNOCH) 24 November 1908 (1908-11-24)	

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

16 August 2004

Date of mailing of the international search report

25/08/2004

Name and mailing address of the ISA

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Authorized officer

Giesen, M

Continuation of Box II.2

Claims Nos.: 23

Rule 6.2(a) PCT

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 23
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

This invention relates to an ammunition loading assembly (10) for loading a projectile (12) into a barrel (14) of a gun comprising an urging member (16) for urging the projectile (12) into the said barrel (14). The assembly (10) further includes a drive means (18) for driving the urging member (16) between a projectile receiving position outside the barrel (14) and a projectile delivery position inside the chamber (20) of the gun. The drive means (18) includes a drive chain assembly (22), for driving the urging member (16) between the projectile receiving and delivery positions. The drive chain assembly (22) is rigid in all directions but one, the arrangement being such that the drive chain assembly (22) pushes the urging member (16) from the projectile receiving position to the projectile delivery position and pulls the urging member (16) from the projectile delivery position to the projectile receiving position. The assembly further includes first and second chain-retaining devices (42,44) for limiting curving of the chain assembly and guiding the chain when moving out of the magazine.

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Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 980181	A	NONE	
US 889321	A	NONE	
US 5895880	A	20-04-1999 AU 2084899 A WO 9918816 A2	03-05-1999 22-04-1999
US 904966	A	NONE	